



Product characteristics

Inductive sensor

Plastic thread M30 x 1.5

Cable

Sensing range 10 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...55 DC

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 0.5

Current rating [mA]

400

Short-circuit protection

yes

Overload protection

yes

Switching frequency [Hz]

450

Monitoring range

Sensing range [mm]

10

Real sensing range (Sr) [mm]

10 ± 10 %

Operating distance [mm]

0...8.1

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 61000-4-2 ESD:

4 kV CD / 8 kV AD

EN 61000-4-3 HF radiated:

10 V/m

EN 61000-4-4 Burst:

2 kV

EN 61000-4-5 Surge:

0.5 kV (line to line, Ri: 20hm)

EN 61000-4-6 HF conducted:

10 V

EN 55011:

class B

MTTF [Years]

1699

Mechanical data

Mounting

flush mountable

Housing materials

PBT

Weight [kg]

0.324

II5672 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Displays / operating elements

Output status indication LED | yellow

Electrical connection

Connection | PUR cable / 6 m; 2 x 0.5 mm²

Wiring

Core colors

BK black

WH white



Accessories

Accessories (included) | 2 lock nuts

Remarks

Pack quantity [piece] | 1